

L Number	Hits	Search Text	DB	Time stamp
1	4	"6458096"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2004/06/30 14:56
2	1	6458096.URPN.	USPAT	2004/06/30 14:57
3	23	("2078686"   "3592184"   "3726283"   "3795246"   "4029104"   "4130119"   "4219026"   "4596548"   "4757194"   "4813934"   "4848344"   "4857054"   "4917667"   "5078681"   "5197952"   "5324260"   "5378238"   "5385548"   "5437632"   "5454788"   "5454789"   "5792118"   "5807328").PN.	USPAT	2004/06/30 14:57
4	1	balloon with slid\$4 with valve with (step\$4 or taper\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/06/30 15:00
5	27	balloon same slid\$4 same valve same (step\$4 or taper\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/06/30 15:17
6	100	((("5902631") or ("4441495") or ("5000175") or ("5542937") or ("5755695") or ("5776140") or ("5868719") or ("6068623") or ("6217567") or ("4470407") or ("4594996") or ("4597389") or ("4793351") or ("4820283") or ("4890623") or ("4921482") or ("4966583") or ("5015232") or ("5176638") or ("5178609") or ("5203772") or ("5219332") or ("5234454") or ("5239982") or ("5242395") or ("5261887") or ("5267955") or ("5279561") or ("5295492") or ("5308324") or ("5312338") or ("5320613") or ("5320639") or ("5322513") or ("5342386") or ("5344441") or ("5354257") or ("5360403") or ("5361777") or ("5368561") or ("5372587") or ("5374254") or ("5380284") or ("5383896") or ("5395352") or ("5415633") or ("5441497") or ("5454817") or ("5466230") or ("5480382")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/06/30 15:09
8	184	balloon with valve with (step\$4 or taper\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/06/30 15:46
9	3	"10150824"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/06/30 15:46
10	1	"10/150824"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/06/30 16:05
11	1883	606/194.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/06/30 16:06

12	4124	604/96.01,509,194,247,537,264,33.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 16:06
13	608	604/96.01,509,194,247,537,264,33.ccls. and slid\$8 and valve and proximal	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 16:06
15	312	604/96.01,509,194,247,537,264,33.ccls. and slid\$8 and valve with proximal	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 16:07
14	55	606/194.ccls. and valve with slid\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 16:24
16	1	09/882823	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 17:12
17	4	(( "4816020" ) or ( "5167239" ) ).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 17:14
18	50	(( "4816020" ) or ( "5167239" ) or ("6325777") or ("6325778") or ("3467101") or ("4811737") or ("4846174") or ("4946466") or ("5807330") or ("5833644") or ("5833650") or ("5893867") or ("6015402") or ("6022336") or ("6050972") or ("6068623") or ("6102891") or ("6135991") or ("6190332") or ("6217567") or ("6228072") or ("6231588") or ("6234996") or ("6252909") or ("6270477") or ("6273878" ) ).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 17:16
-	22	"5807330"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 10:09
-	191	(balloon with valve) same (ports or openings) and (catheter or lumen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 10:12
-	48	(balloon with valve) and (inflate with (ports or openings)) and (catheter or lumen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 10:19
-	454	balloon with proximal with valve	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 10:19
-	341	balloon with proximal with valve same inflat\$9	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 10:20
-	143	balloon with proximal with valve same (slid\$4 or push or pull\$4 or close\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 10:23

-	69	balloon with slide with valve	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/06/30 14:59
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PLUS Search Results for S/N 09882823, Searched June 30, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

5902631  
4441495  
5000175  
5542937  
5755695  
5776140  
5868719  
6068623  
6217567  
4470407  
4594996  
4597389  
4793351  
4820283  
4890623  
4921482  
4966583  
5015232  
5176638  
5178609  
5203772  
5219332  
5234454  
5239982  
5242395  
5261887  
5267955  
5279561  
5295492  
5308324  
5312338  
5320613  
5320639  
5322513  
5342386

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5344441  
5354257  
5360403  
5361777  
5368561  
5372587  
5374254  
5380284  
5383896  
5395352  
5415633  
5441497  
5454817  
5466230  
5480382

09882823\_CLS

Most Frequently Occurring Classifications of Patents Returned  
From A Search of 09882823 on June 30, 2004

Original Classifications

5	604/528
2	600/585
2	604/101.03
2	604/161
2	604/256
2	604/530
2	604/95.01
2	606/194
2	606/195
2	606/213

Cross-Reference Classifications

10	600/585
7	606/194
6	604/915
5	604/264
4	604/523
3	600/434
3	604/256
3	604/95.04
3	604/96.01
3	606/192
2	604/101.05
2	604/159
2	604/178
2	604/265
2	604/284
2	604/528
2	604/533
2	604/908
2	604/919
2	604/99.01
2	606/191

Combined Classifications

12	600/585
9	606/194
7	604/528
6	604/915
5	604/256
5	604/264
5	604/523
4	604/95.04

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3 600/434  
3 604/265  
3 604/533  
3 604/96.01  
3 606/191  
3 606/192  
2 604/101.03  
2 604/101.05  
2 604/159  
2 604/161  
2 604/164.13  
2 604/178  
2 604/284  
2 604/530  
2 604/908  
2 604/919  
2 604/95.01  
2 604/99.01  
2 606/159  
2 606/195  
2 606/213

09882823\_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09882823 on June 30, 2004

12	600/585	(2 OR, 10 XR)
	Class 600 :	SURGERY
	600/300	DIAGNOSTIC TESTING
	600/585	.Flexible catheter guide
9	606/194	(2 OR, 7 XR)
	Class 606 :	SURGERY
	606/1	INSTRUMENTS
	606/191	.Internal pressure applicator (e.g., dilator)
	606/192	..Inflatable or expandible by fluid
	606/194	...Inserted in vascular system
7	604/528	(5 OR, 2 XR)
	Class 604 :	SURGERY
	604/19	MEANS FOR INTRODUCING OR REMOVING MATERIAL FROM
		BODY FOR THERAPEUTIC PURPOSES (E.G., MEDICATING,
		IRRIGATING, ASPIRATING, ETC.)
	604/48	.Treating material introduced into or removed from body orifice, or inserted or removed subcutaneously
		other than by diffusing through skin
	604/93.01	..Material introduced or removed through conduit, holder, or implantable reservoir inserted in body
	604/264	...Body inserted tubular conduit structure (e.g., needles, cannulas, nozzles, trocars, catheters,
		etc.)
	604/523	....Flexible catheter or means (e.g., coupling)
		used therewith
	604/528	.....With means to advance or steer catheter, excluding remotely controlled devices
6	604/915	(0 OR, 6 XR)
	Class 604 :	SURGERY
	604/915	BALLOON CATHETERS [A61M 25/10]
5	604/256	(2 OR, 3 XR)



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Class 604 : SURGERY  
 604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FROM  
 BODY FOR THERAPEUTIC PURPOSES (E.G., MEDICATING,  
 IRRIGATING, ASPIRATING, ETC.)  
 604/48 .Treating material introduced into or removed  
 from body orifice, or inserted or removed  
 subcutaneously  
 other than by diffusing through skin  
 604/93.01 ..Material introduced or removed through  
 conduit, holder, or implantable reservoir  
 inserted in body  
 604/246 ...Means for controlling material flow to or  
 from body, or metering a predetermined dose or amount  
 604/256 ....Having flow closing or opening means (e.g.  
 , plug, cap, seal, etc.)

5 604/264 (0 OR, 5 XR)  
 Class 604 : SURGERY  
 604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FROM  
 BODY FOR THERAPEUTIC PURPOSES (E.G., MEDICATING,  
 IRRIGATING, ASPIRATING, ETC.)  
 604/48 .Treating material introduced into or removed  
 from body orifice, or inserted or removed  
 subcutaneously  
 other than by diffusing through skin  
 604/93.01 ..Material introduced or removed through  
 conduit, holder, or implantable reservoir  
 inserted in body  
 604/264 ...Body inserted tubular conduit structure  
 (e.g., needles, cannulas, nozzles, trocars,  
 catheters,  
 etc.)

5 604/523 (1 OR, 4 XR)  
 Class 604 : SURGERY  
 604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FROM  
 BODY FOR THERAPEUTIC PURPOSES (E.G., MEDICATING,  
 IRRIGATING, ASPIRATING, ETC.)

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604/48	.Treating material introduced into or removed from body orifice, or inserted or remove
d subcutaneously	other than by diffusing through skin
604/93.01	..Material introduced or removed through conduit, holder, or implantable reservoir
inserted in body	
604/264	...Body inserted tubular conduit structure (e.g., needles, cannulas, nozzles, trocars
, catheters,	etc.)
604/523	....Flexible catheter or means (e.g., coupling
)	used therewith
4 604/95.04	(1 OR, 3 XR)
Class 604 :	SURGERY
604/19	MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO
M	
	BODY FOR THERAPEUTIC PURPOSES (E.G., ME
DICATING,	IRRIGATING, ASPIRATING, ETC.)
604/48	.Treating material introduced into or removed from body orifice, or inserted or remove
d subcutaneously	other than by diffusing through skin
604/93.01	..Material introduced or removed through conduit, holder, or implantable reservoir
inserted in body	
604/95.01	...Conduit with self-propelled or remote control means
604/95.04	....Having tensioning means to alter conduit shape
3 600/434	(0 OR, 3 XR)
Class 600 :	SURGERY
600/300	DIAGNOSTIC TESTING
600/407	.Detecting nuclear, electromagnetic, or ultrasonic radiation
600/431	..Detectable material placed in body
600/433	...Using flexible catheter
600/434	....Catheter guide means
3 604/265	(1 OR, 2 XR)
Class 604 :	SURGERY
604/19	MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

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M

DICATING, BODY FOR THERAPEUTIC PURPOSES (E.G., ME

IRRIGATING, ASPIRATING, ETC.)

604/48 .Treating material introduced into or removed  
from body orifice, or inserted or remove

d subcutaneously

other than by diffusing through skin

604/93.01 ..Material introduced or removed through  
conduit, holder, or implantable reservoir

inserted in body

604/264 ...Body inserted tubular conduit structure  
(e.g., needles, cannulas, nozzles, trocars

, catheters,

etc.)

604/265 ....With body soluble, antibactericidal or  
lubricating materials on conduit

3 604/533 (1 OR, 2 XR)

Class 604 : SURGERY

604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

BODY FOR THERAPEUTIC PURPOSES (E.G., M

EDICATING,

IRRIGATING, ASPIRATING, ETC.)

604/48 .Treating material introduced into or removed  
from body orifice, or inserted or remov

ed subcutaneously

other than by diffusing through skin

604/93.01 ..Material introduced or removed through  
conduit, holder, or implantable reservoi

r inserted in body

604/264 ...Body inserted tubular conduit structure  
(e.g., needles, cannulas, nozzles, trocar

s, catheters,

etc.)

604/523 ....Flexible catheter or means (e.g., coupling

)

used therewith

604/533 .....Coupling or connector structure

3 604/96.01 (0 OR, 3 XR)

Class 604 : SURGERY

604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

BODY FOR THERAPEUTIC PURPOSES (E.G., MED

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ICATING,

IRRIGATING, ASPIRATING, ETC.)

604/48

.Treating material introduced into or removed from body orifice, or inserted or removed

subcutaneously

other than by diffusing through skin

604/93.01

..Material introduced or removed through conduit, holder, or implantable reservoir

inserted in body

604/96.01

...Having means inflated in body (e.g., inflatable nozzle, dilator, balloon cathete

r, occluder,

etc.)

3 606/191

(1 OR, 2 XR)

Class

606 : SURGERY

606/1

INSTRUMENTS

606/191

.Internal pressure applicator (e.g., dilator)

3 606/192

(0 OR, 3 XR)

Class

606 : SURGERY

606/1

INSTRUMENTS

606/191

.Internal pressure applicator (e.g., dilator)

606/192

..Inflatable or expandible by fluid

2 604/101.03

(2 OR, 0 XR)

Class

604 : SURGERY

604/19

MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

BODY FOR THERAPEUTIC PURPOSES (E.G., M

EDICATING,

IRRIGATING, ASPIRATING, ETC.)

604/48

.Treating material introduced into or removed from body orifice, or inserted or remov

ed subcutaneously

other than by diffusing through skin

604/93.01

..Material introduced or removed through conduit, holder, or implantable reservoi

r inserted in body

604/96.01

...Having means inflated in body (e.g., inflatable nozzle, dilator, balloon cathe

ter, occluder,

etc.)

604/101.01

....Having plural balloons on conduit

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604/101.03 .....Having aperture in conduit between balloons

2 604/101.05 (0 OR, 2 XR)

Class 604 : SURGERY

604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FROM

M

BODY FOR THERAPEUTIC PURPOSES (E.G., M

EDICATING,

IRRIGATING, ASPIRATING, ETC.)

604/48 .Treating material introduced into or removed from body orifice, or inserted or removed

ed subcutaneously

other than by diffusing through skin

604/93.01 ..Material introduced or removed through conduit, holder, or implantable reservoir

r inserted in body

604/96.01 ...Having means inflated in body (e.g., inflatable nozzle, dilator, balloon catheter, occluder,

etc.)

604/101.01 ....Having plural balloons on conduit

604/101.05 .....Axially spaced balloons

2 604/159 (0 OR, 2 XR)

Class 604 : SURGERY

604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FROM

M

BODY FOR THERAPEUTIC PURPOSES (E.G., ME

DICATING,

IRRIGATING, ASPIRATING, ETC.)

604/48 .Treating material introduced into or removed from body orifice, or inserted or removed

d subcutaneously

other than by diffusing through skin

604/93.01 ..Material introduced or removed through conduit, holder, or implantable reservoir

inserted in body

604/158 ...Body entering conduit axially movable within

n

body piercing conduit while former is displaced

in the body

604/159 ....Having mechanical means for feeding conduit

t

through piercing conduit

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2 604/161 (2 OR, 0 XR)  
 Class 604 : SURGERY  
 604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FROM  
 M BODY FOR THERAPEUTIC PURPOSES (E.G., ME  
 DICATING,  
 IRRIGATING, ASPIRATING, ETC.)  
 604/48 .Treating material introduced into or removed  
 from body orifice, or inserted or remove  
 d subcutaneously  
 other than by diffusing through skin  
 604/93.01 ..Material introduced or removed through  
 conduit, holder, or implantable reservoir  
 inserted in body  
 604/158 ...Body entering conduit axially movable withi  
 n body piercing conduit while former is disp  
 osed in the body  
 604/161 ....Piercing conduit longitudinally separable  
 for removal from body entering conduit

2 604/164.13 (1 OR, 1 XR)  
 Class 604 : SURGERY  
 604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FROM  
 M BODY FOR THERAPEUTIC PURPOSES (E.G., ME  
 DICATING,  
 IRRIGATING, ASPIRATING, ETC.)  
 604/48 .Treating material introduced into or removed  
 from body orifice, or inserted or remove  
 d subcutaneously  
 other than by diffusing through skin  
 604/93.01 ..Material introduced or removed through  
 conduit, holder, or implantable reservoir  
 inserted in body  
 604/164.01 ...Body piercer, obturator rod, or stylet  
 axially movable within body entering condu  
 it while latter  
 is disposed in body  
 604/164.13 ....Guidewire within flexible body entering  
 conduit

2 604/178 (0 OR, 2 XR)  
 Class 604 : SURGERY

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604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FROM  
 BODY FOR THERAPEUTIC PURPOSES (E.G., MEDICATING,  
 IRRIGATING, ASPIRATING, ETC.)  
 604/48 .Treating material introduced into or removed  
 from body orifice, or inserted or removed  
 subcutaneously  
 other than by diffusing through skin  
 604/93.01 ..Material introduced or removed through  
 conduit, holder, or implantable reservoir  
 inserted in body  
 604/174 ...Means for securing conduit to body  
 604/178 ....Axially movable clamp means

2 604/284 (0 OR, 2 XR)  
 Class 604 : SURGERY  
 604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FROM  
 BODY FOR THERAPEUTIC PURPOSES (E.G., MEDICATING,  
 IRRIGATING, ASPIRATING, ETC.)  
 604/48 .Treating material introduced into or removed  
 from body orifice, or inserted or removed  
 subcutaneously  
 other than by diffusing through skin  
 604/93.01 ..Material introduced or removed through  
 conduit, holder, or implantable reservoir  
 inserted in body  
 604/264 ...Body inserted tubular conduit structure  
 (e.g., needles, cannulas, nozzles, trocars,  
 catheters,  
 etc.)  
 604/523 ....Flexible catheter or means (e.g., coupling  
 )  
 used therewith  
 604/284 .....Having branched shapes (e.g., T or Y  
 drains, etc.)

2 604/530 (2 OR, 0 XR)  
 Class 604 : SURGERY  
 604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FROM  
 BODY FOR THERAPEUTIC PURPOSES (E.G., MEDICATING,  
 IRRIGATING, ASPIRATING, ETC.)

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604/48 .Treating material introduced into or removed  
ed subcutaneously from body orifice, or inserted or removed  
other than by diffusing through skin

604/93.01 ..Material introduced or removed through  
r inserted in body conduit, holder, or implantable reservoir

604/264 ...Body inserted tubular conduit structure  
s, catheters, (e.g., needles, cannulas, nozzles, trocar  
etc.)

604/523 ....Flexible catheter or means (e.g., coupling  
) used therewith

604/530 .....With shape retaining memory

2 604/908 (0 OR, 2 XR)  
Class 604 : SURGERY  
604/908 INFLATABLE GRIPPING ELEMENTS [A61B 17/22E2]

2 604/919 (0 OR, 2 XR)  
Class 604 : SURGERY  
604/915 BALLOON CATHETERS [A61M 25/10]  
604/919 .Multiple balloon catheters [A61M 25/10D]

2 604/95.01 (2 OR, 0 XR)  
Class 604 : SURGERY  
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FROM  
M ICATING,  
BODY FOR THERAPEUTIC PURPOSES (E.G., MED  
IRRIGATING, ASPIRATING, ETC.)

604/48 .Treating material introduced into or removed  
subcutaneously from body orifice, or inserted or removed  
other than by diffusing through skin

604/93.01 ..Material introduced or removed through  
inserted in body conduit, holder, or implantable reservoir

604/95.01 ...Conduit with self-propelled or remote  
control means

2 604/99.01 (0 OR, 2 XR)  
Class 604 : SURGERY  
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FROM  
M



## 09882823 CLSTITLES

BODY FOR THERAPEUTIC PURPOSES (E.G., ME

DICATING,

IRRIGATING, ASPIRATING, ETC.)

604/48

.Treating material introduced into or removed  
from body orifice, or inserted or remove

d subcutaneously

other than by diffusing through skin

604/93.01

..Material introduced or removed through  
conduit, holder, or implantable reservoir

inserted in body

604/96.01

...Having means inflated in body (e.g.,  
inflatable nozzle, dilator, balloon cathet

er, occluder,

etc.)

604/99.01

....Having inflation or deflation control mean

s

2 606/159 (1 OR, 1 XR)

Class 606 : SURGERY

606/1 INSTRUMENTS

606/159 .Blood vessel, duct or teat cutter, scrapper o

r

abrader

2 606/195 (2 OR, 0 XR)

Class 606 : SURGERY

606/1 INSTRUMENTS

606/191 .Internal pressure applicator (e.g., dilator)

606/192 ..Inflatable or expandible by fluid

606/194 ...Inserted in vascular system

606/195 ....Detachable from inflation means

2 606/213 (2 OR, 0 XR)

Class 606 : SURGERY

606/1 INSTRUMENTS

606/213 .Sutureless closure